

## EAST Search History

| Ref # | Hits  | Search Query                              | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| S1    | 23395 | (state adj transition\$3)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:11 |
| S2    | 967   | (state adj transition\$3 adj table)       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:46 |
| S3    | 37    | (execution adj control adj table)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:13 |
| S4    | 2     | S3 and S2                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:13 |
| S5    | 9890  | (execution adj control)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:15 |
| S6    | 22    | S2 and S5                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:13 |
| S7    | 5     | S2 same S5                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:13 |
| S8    | 52    | S2 with (convert\$4 translat\$5)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:39 |
| S9    | 2912  | (system adj description adj language) sdl | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/19 11:39 |

## EAST Search History

|     |         |                                   |   |    |    |                  |
|-----|---------|-----------------------------------|---|----|----|------------------|
| S10 | 1       | S8 with S9                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:40 |
| S11 | 2431519 | convert\$4 translat\$5            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:40 |
| S12 | 1       | S2 with S9 with S11               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:41 |
| S13 | 4       | S1 with S9 with S11               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:44 |
| S14 | 5       | S1 with S9 same S11               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:44 |
| S15 | 4       | S14 not "15"                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:45 |
| S16 | 1       | S14 not S13                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:45 |
| S17 | 80      | S2 same event same action         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 12:04 |
| S18 | 0       | S17 same S9                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 11:46 |
| S19 | 50      | S17 and (start termination pause) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/19 12:05 |

## EAST Search History

|     |          |  |   |    |    |                  |
|-----|----------|--|---|----|----|------------------|
| S20 | 7        | S17 same (start termination pause)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:49 |
| S21 | 9        | ("5371683"   "5371889"  <br>"5452215"   "5469553"  <br>"5499374"   "5537580"  <br>"5925114"   "5995739"  <br>"6185555").PN. OR ("6263495").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/08/19 12:48 |
| S22 | 2928     | SOA (service adj oriented adj<br>architecture)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/25 16:37 |
| S23 | 142      | (service adj oriented adj<br>architecture)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/25 16:38 |
| S24 | 21747188 | @ay<="2001"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/25 16:38 |
| S25 | 10       | S23 and S24  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/25 16:40 |
| S26 | 8        | S25 and (state coordinat\$4<br>orchestrat\$4 choreograph\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/25 16:41 |
| S27 | 23464    | (state adj transition\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 16:03 |
| S28 | 9917     | (execution adj control)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:50 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S29 | 29417 | (S27 S28 execution) with (play pause halt stop start) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:50 |
| S30 | 1831  | (S27 S28) with (play pause halt stop start)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:51 |
| S31 | 836   | (S27 S28) with (play pause halt stop resume)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:53 |
| S32 | 904   | 717/104-107.ccls.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:53 |
| S33 | 61    | S32 and S27   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:56 |
| S34 | 1     | S31 and S33   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:58 |
| S35 | 5     | S31 and S32   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 15:58 |
| S36 | 12009 | (state adj2 table)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 16:04 |
| S37 | 36753 | execut\$4 with (play pause halt stop resume contiume) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 16:05 |
| S38 | 16    | S36 with S37  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/29 16:12 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S39 | 34    | S36 same S37  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 08:52 |
| S40 | 910   | 717/104-107.ccls.                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 08:52 |
| S41 | 12021 | (state adj2 table)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 08:52 |
| S42 | 36786 | execut\$4 with (play pause halt<br>stop resume contume) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 08:52 |
| S43 | 34    | S41 same S42  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 08:52 |
| S44 | 0     | S43 and S40   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 08:52 |
| S45 | 970   | (state adj transition\$3 adj table)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 09:09 |
| S46 | 5     | S40 and S45   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 08:54 |
| S47 | 199   | S45 with (execut\$4 program<br>application object)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 09:10 |
| S48 | 199   | S45 with (execut\$4 program<br>application object)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 09:10 |

## EAST Search History

|     |          |   |   |    |    |                  |
|-----|----------|---|---|----|----|------------------|
| S49 | 21748585 | @ay<="2001"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 09:10 |
| S50 | 151      | S48 and S49   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 09:10 |
| S51 | 22       | ("5301326"   "5315703"  <br>"5423023"   "5485569"  <br>"5754858"   "5852733"  <br>"5859637"   "5893105"  <br>"5966532"   "6018627"  <br>"6053951"   "6093215"  <br>"6119101"   "6170081"  <br>"6182279"   "6282709"  <br>"6337696"   "6407753"  <br>"6446260"   "6563522"  <br>"6601233"   "6718535").PN. OR<br>("6871340").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/08/30 09:28 |
| S52 | 10       | ("20020174207"   "20030191797"<br>  "4852157"   "5721920"  <br>"5959968"   "6138171"  <br>"6279050"   "6298061"  <br>"6317638"   "6430740").PN. OR<br>("6799319").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/08/30 09:29 |
| S53 | 43       | (system and architecture and<br>communication) adj (specification<br>model)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/30 10:03 |
| S54 | 20       | ("4727575"   "4866638"  <br>"4905181"   "5321837"  <br>"5341293"   "5509116"  <br>"5559802"   "5604863"  <br>"5604907"   "5680617"  <br>"5793362").PN. OR ("6211872").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/08/30 10:15 |
| S55 | 1607351  | (model specification)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:15 |
| S56 | 4634     | S55 near communicat\$5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:24 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S57 | 3876 | S55 near2 (logic)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:16 |
| S58 | 11   | S56 same S57  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:16 |
| S59 | 503  | S55 with communicat\$5 with logic   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:36 |
| S60 | 83   | S59 same protocol   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:27 |
| S61 | 141  | (models with (communication protocol) with (logic application)) same (hardware and software)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:38 |
| S62 | 96   | (models with (communication protocol) with (logic application)) same (hardware and software) same (architecture system) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:38 |
| S63 | 47   | S62 and @ay<"2001"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 07:59 |
| S64 | 491  | ((circuit hardware) near S55) and ((software application) near S55)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 08:00 |
| S65 | 277  | ((circuit hardware) near S55) same ((software application) near S55)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 08:00 |
| S66 | 5    | ((circuit hardware) near S55) same ((software application) near S55) same ((communication protocol) near S55)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 08:07 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S67 | 2    | "6021266".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 08:07 |
| S68 | 60   | ("4342093"   "4527249"  <br>"4628471"   "4635218"  <br>"4656580"   "4713606"  <br>"4725975"   "4763289"  <br>"4782440").PN. OR ("4918594").<br>URPN:                            | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/09/01 08:48 |
| S69 | 21   | S68 and (software same hardware<br>same communicat\$4)  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/09/01 09:25 |
| S70 | 1295 | communication adj model   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/09/01 08:58 |
| S71 | 63   | S70 same hardware same<br>software  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/09/01 08:58 |
| S72 | 20   | S71 same protocol   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/09/01 08:58 |
| S73 | 20   | ("4727575"   "4866638"  <br>"4905181"   "5321837"  <br>"5341293"   "5509116"  <br>"5559802"   "5604863"  <br>"5604907"   "5680617"  <br>"5793362").PN. OR ("6211872").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/09/01 09:25 |
| S74 | 1    | S73 and (software same hardware<br>same communicat\$4)  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/09/01 09:26 |
| S75 | 4    | ("6211872" "20020104071").pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/01 10:55 |